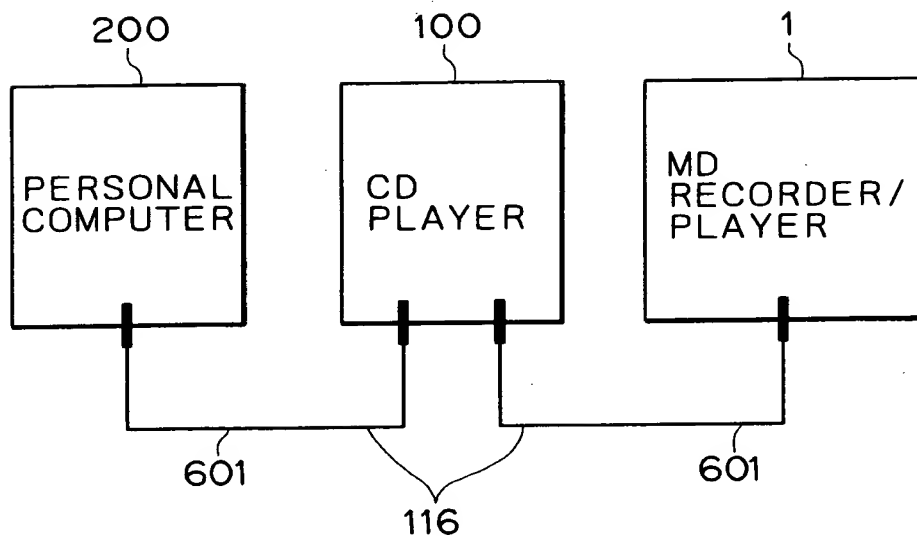


FIG. 1



# FIG. 2

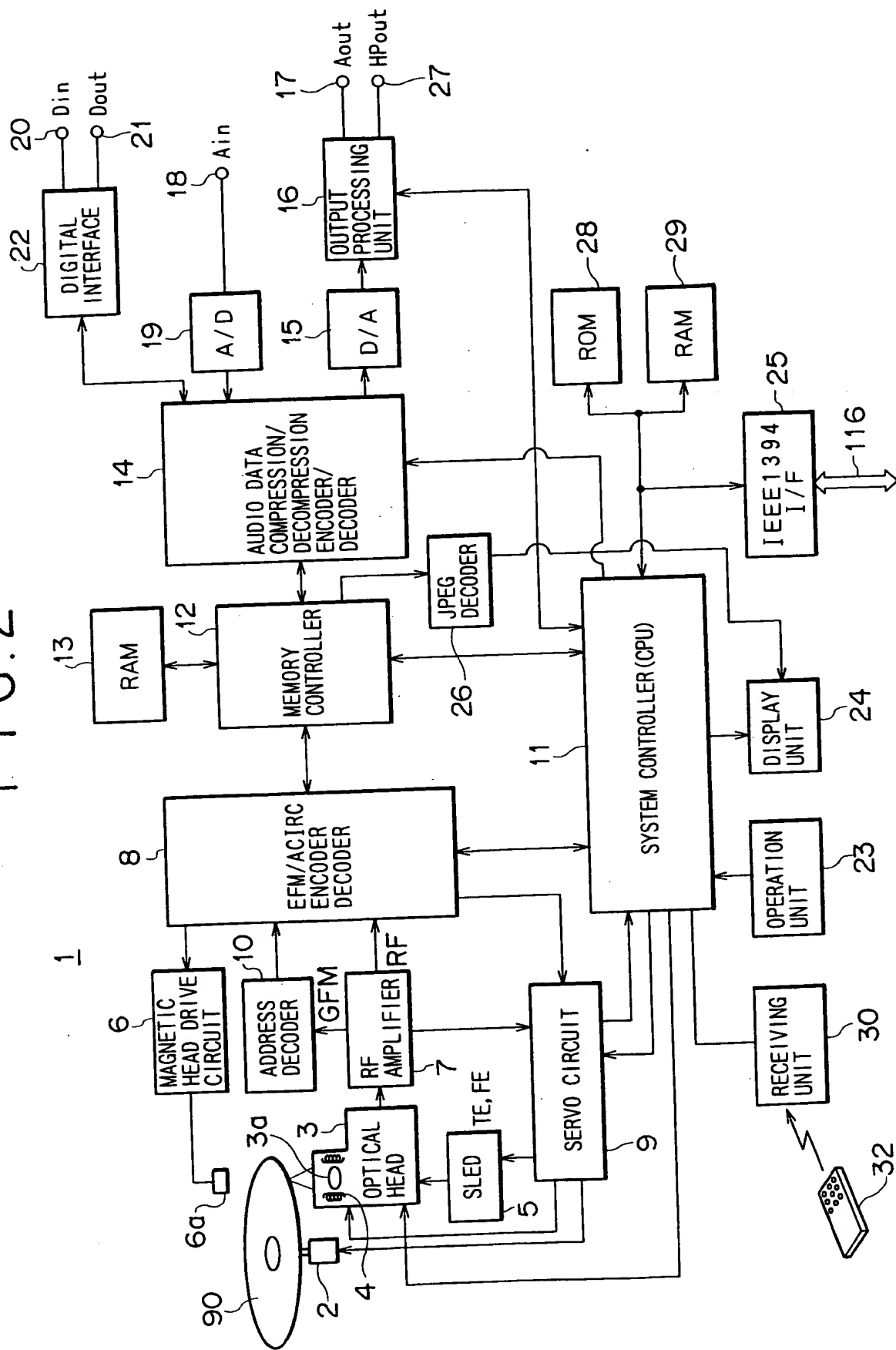


FIG. 3

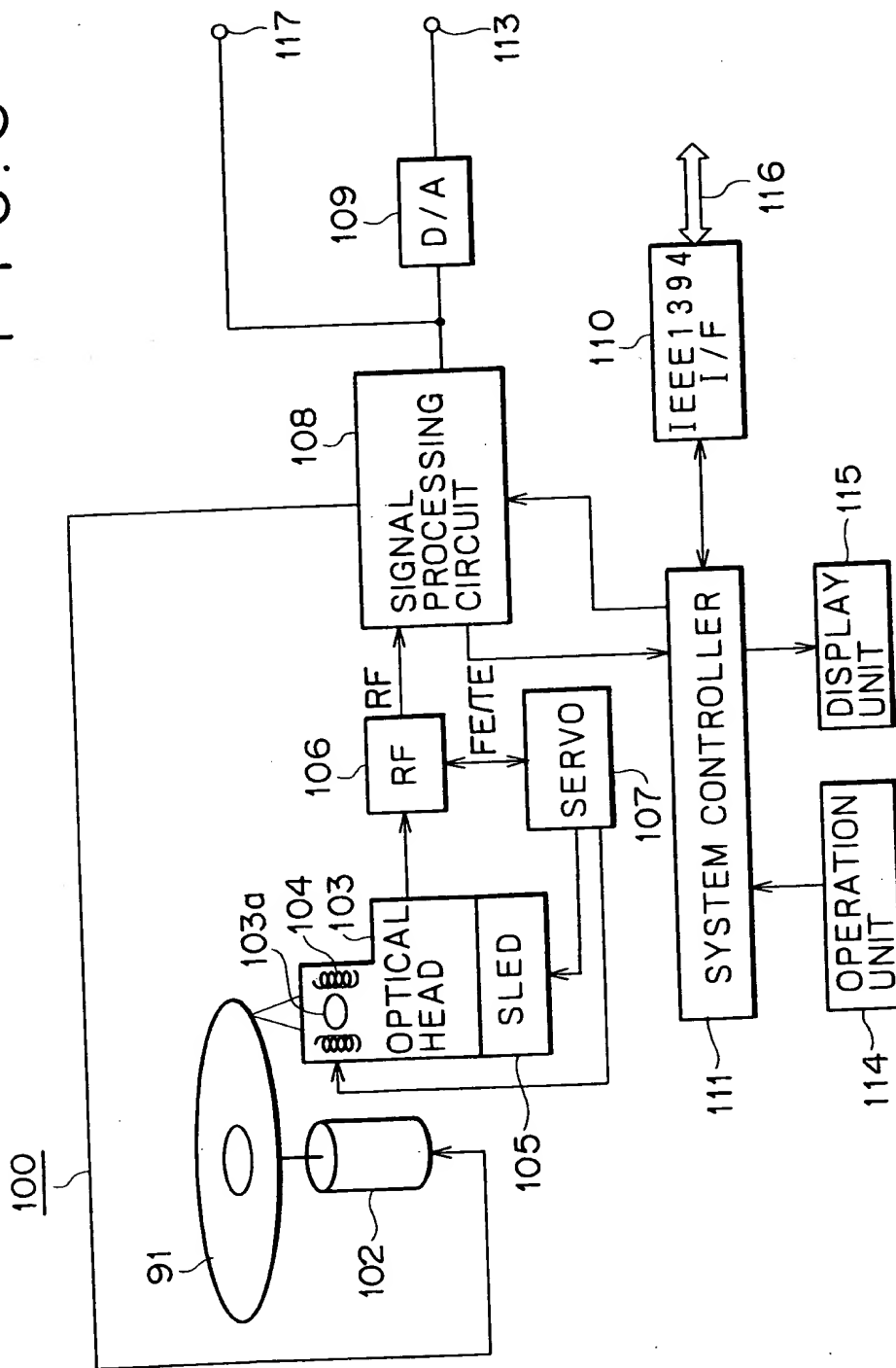
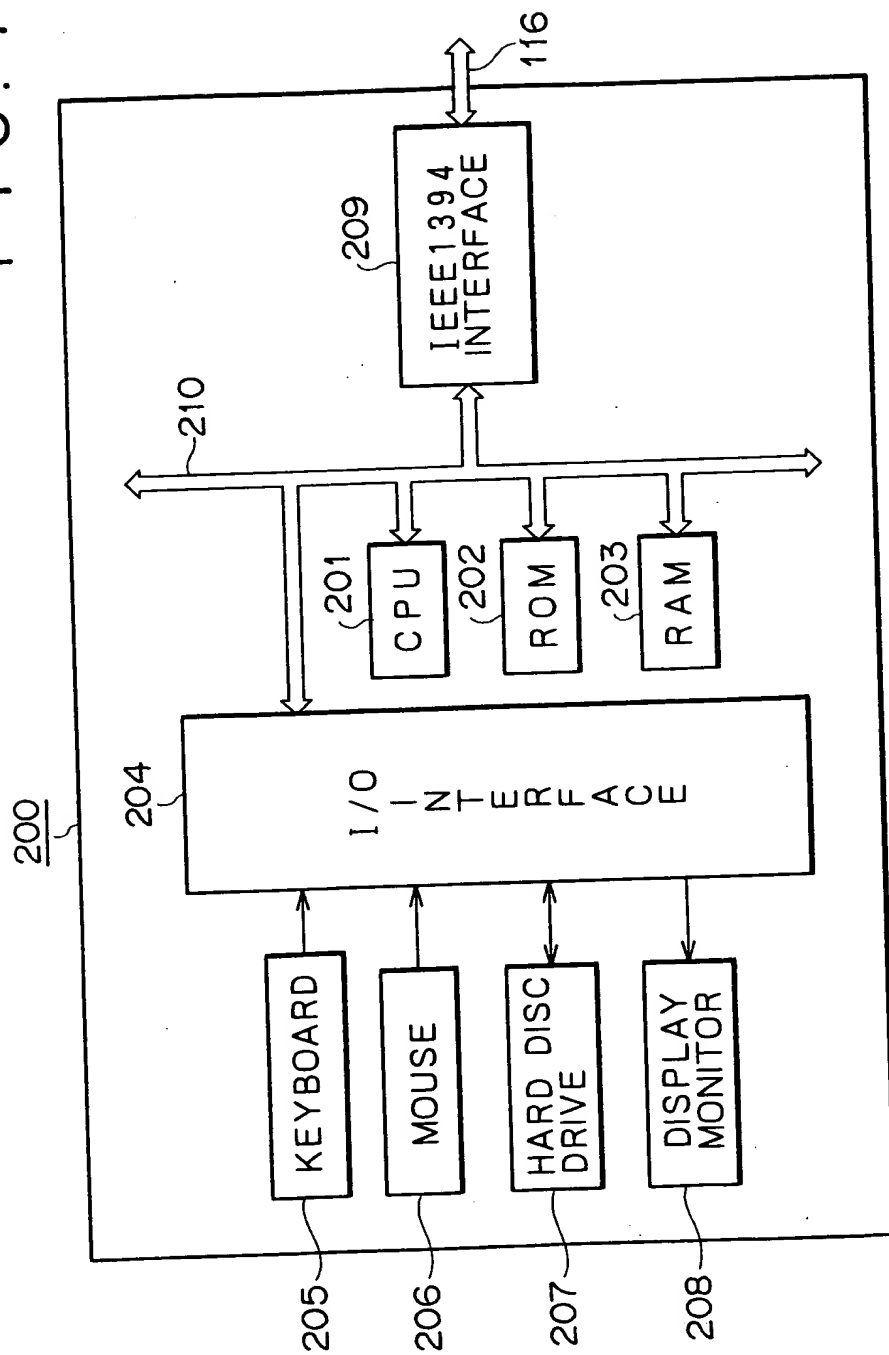


FIG. 4



# FIG. 5

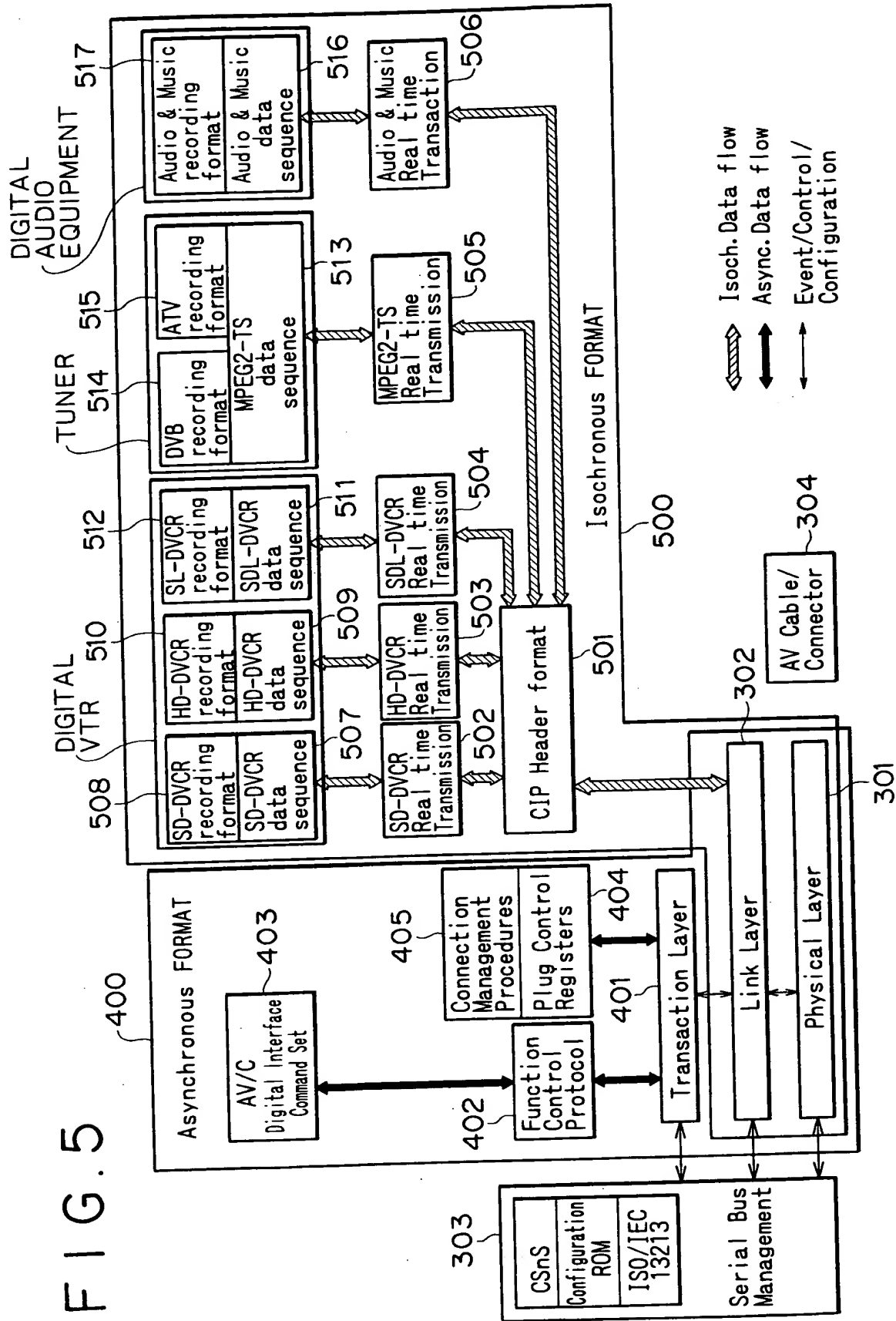
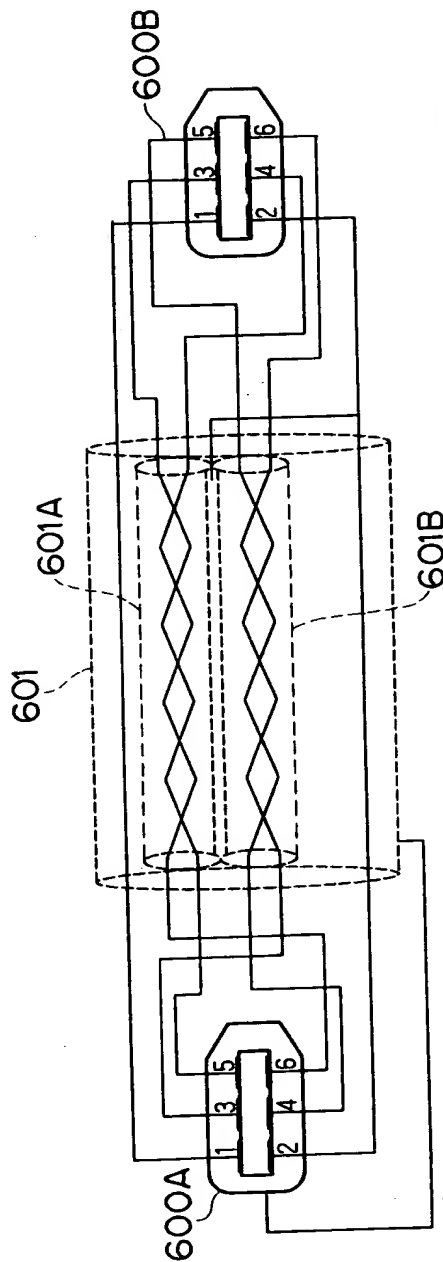


FIG. 6



PIN NO. SIGNAL

1	VP (POWER SUPPLY)
2	VG (GROUND)
3	TPB1
4	TPB2
5	TPA1
6	TPA2

PIN NO. SIGNAL

1	VP
2	VG
3	TPB1
4	TPB2
5	TPA1
6	TPA2

FIG. 7A

Data  
(TPBout-TPAin)

FIG. 7B

Strobe  
(TPAout-TPBin)

FIG. 7C

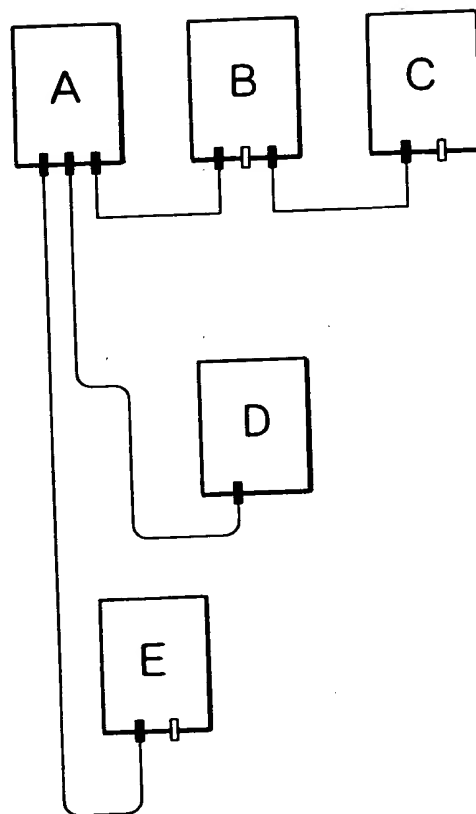
Clock  
(Data<sup>^</sup>Strobe)

ARBITRATION  
Data Prefix

TRANSMISSION

The diagram shows three digital signals over time. The top section is labeled 'ARBITRATION Data Prefix' and the bottom section is labeled 'TRANSMISSION'. The signals are: Data (TPBout-TPAin), Strobe (TPAout-TPBin), and Clock (Data<sup>^</sup>Strobe). In the arbitration phase, Data is high, Strobe is high, and Clock is high. In the transmission phase, Data is low, Strobe is low, and Clock is low.

FIG. 8



IEEE1394 BUS CONNECTION



FIG. 9A

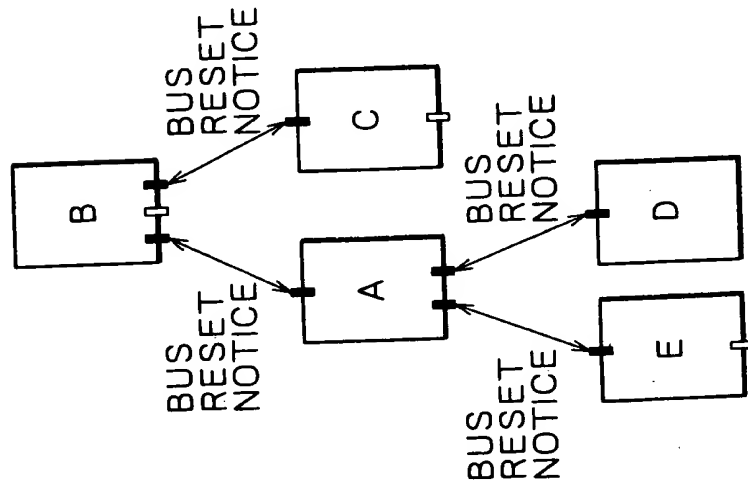


FIG. 9B

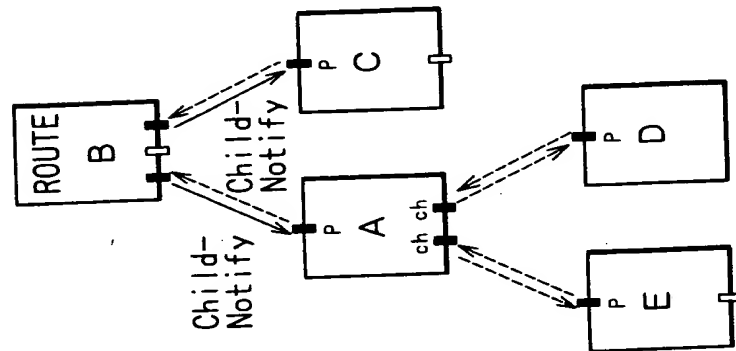
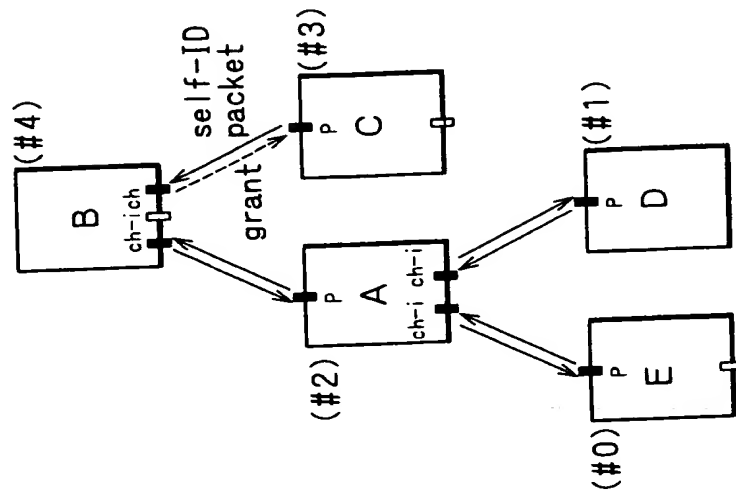
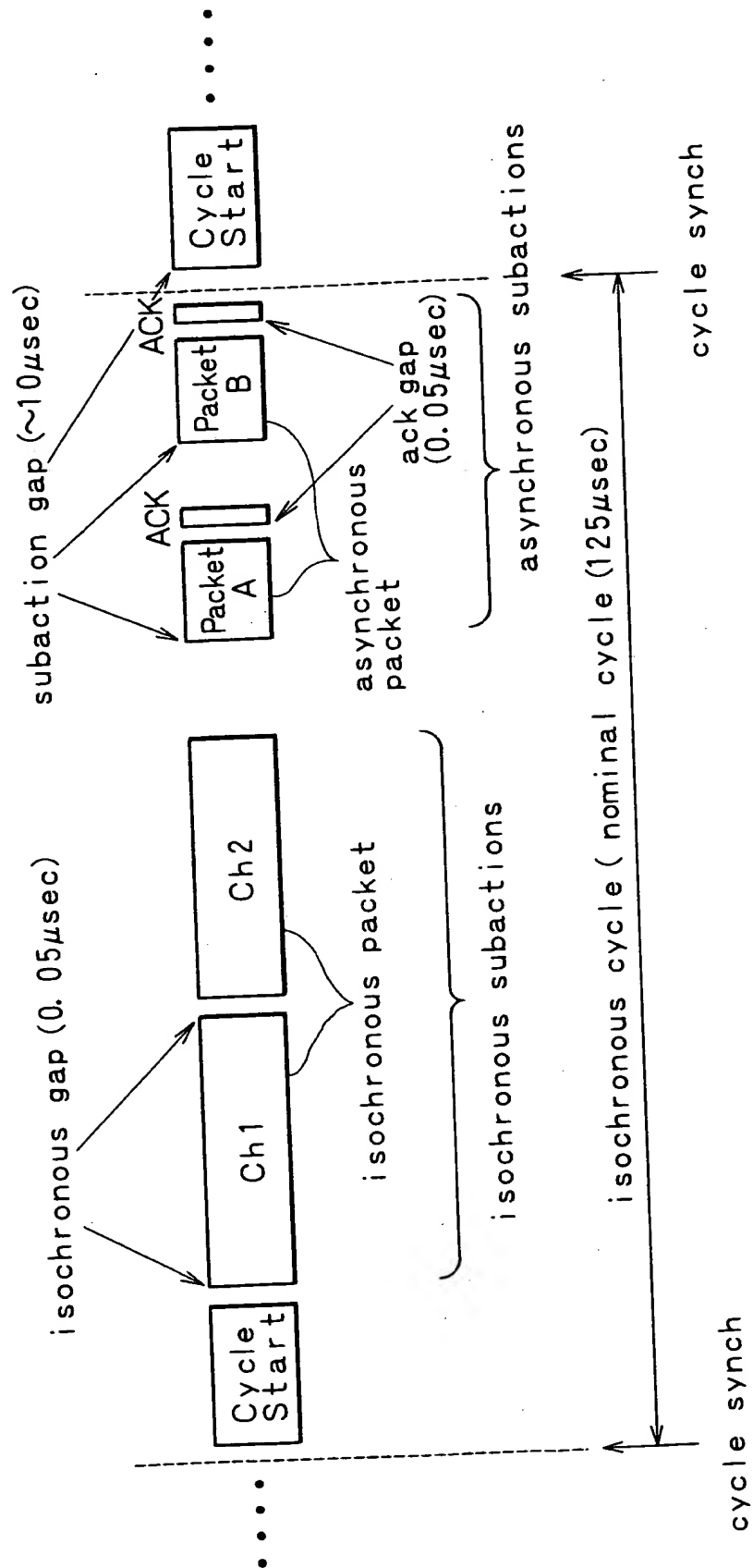


FIG. 9C

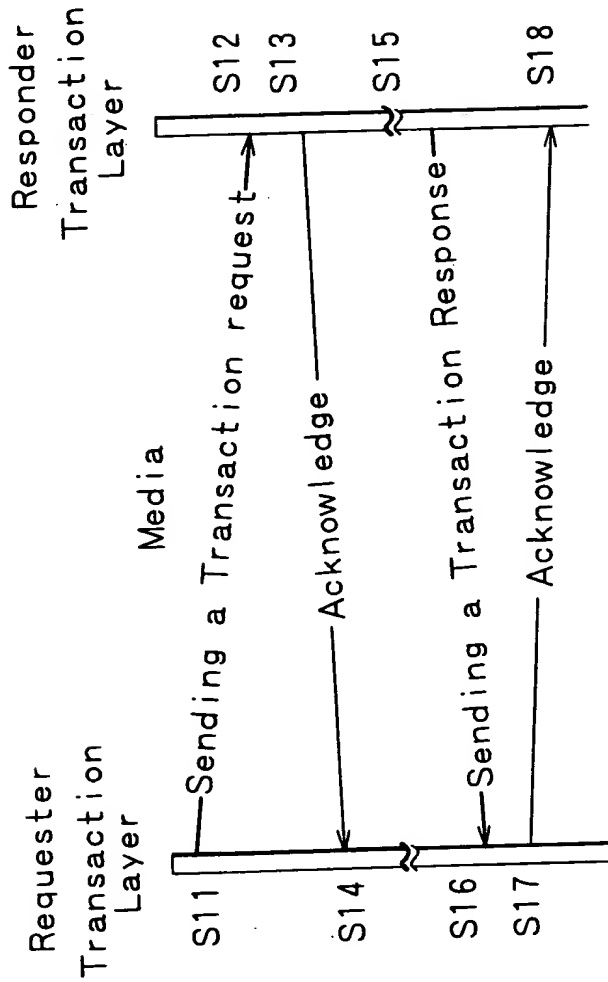


Self-ID Identify	Tree-ID Identify	Bus Reset
------------------	------------------	-----------

FIG.10



# FIG.11A



# FIG.11B

Sending a Transaction Request	Sending a Transaction Response
Write Request (data quadlet)	Write Response
Write Request (data block: data length=4bytes)	No Response (Unified Transaction)
Write Request (data block: data length≠4bytes)	Read Response (data quadlet)
Read Request (data quadlet)	Read Response (data block)
Read Request (data block: data length=4byte)	Lock Response
Read Request (data block: data length≠4byte)	
Lock Request	

FIG. 12B FIG. 12C FIG. 12D FIG. 12E

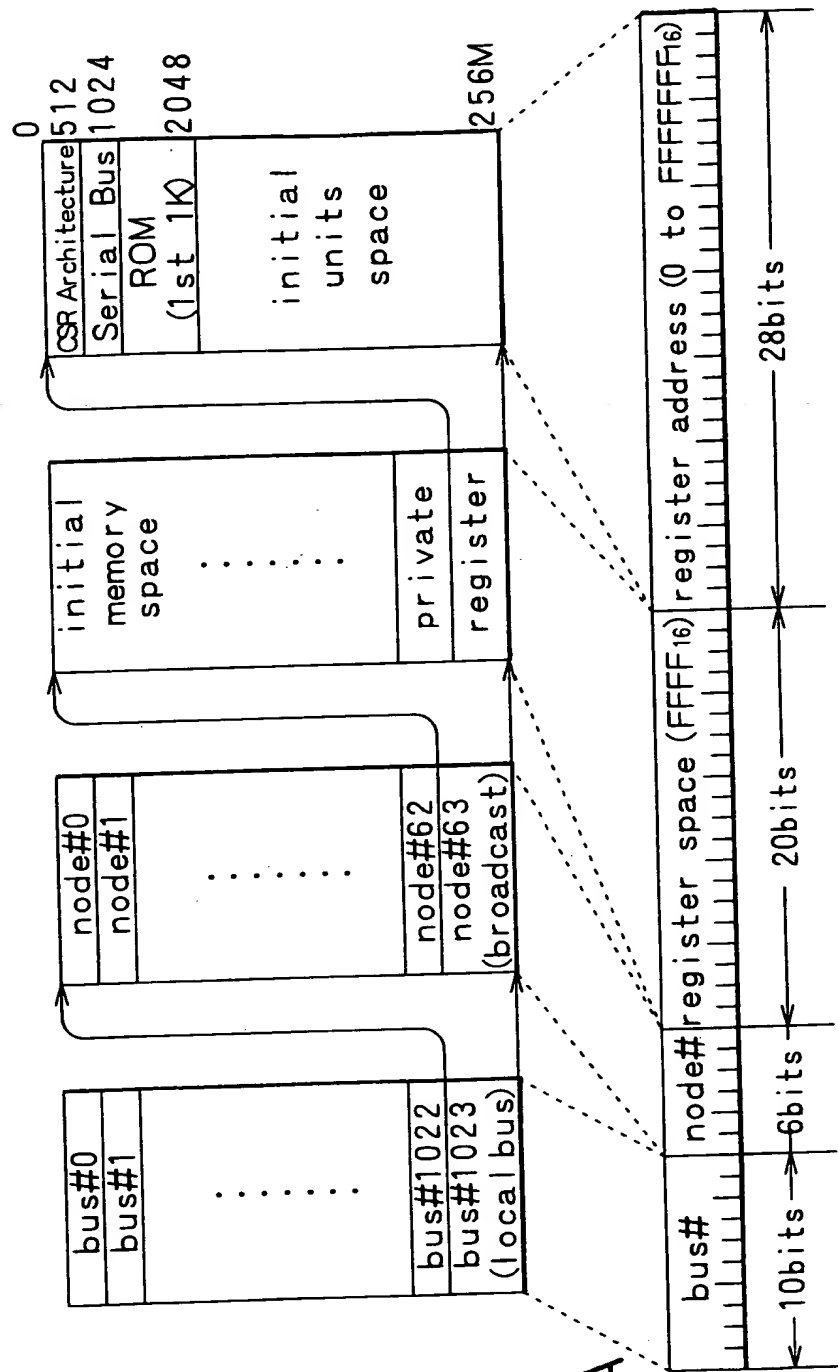


FIG. 12A

register:

MSB

# FIG.13

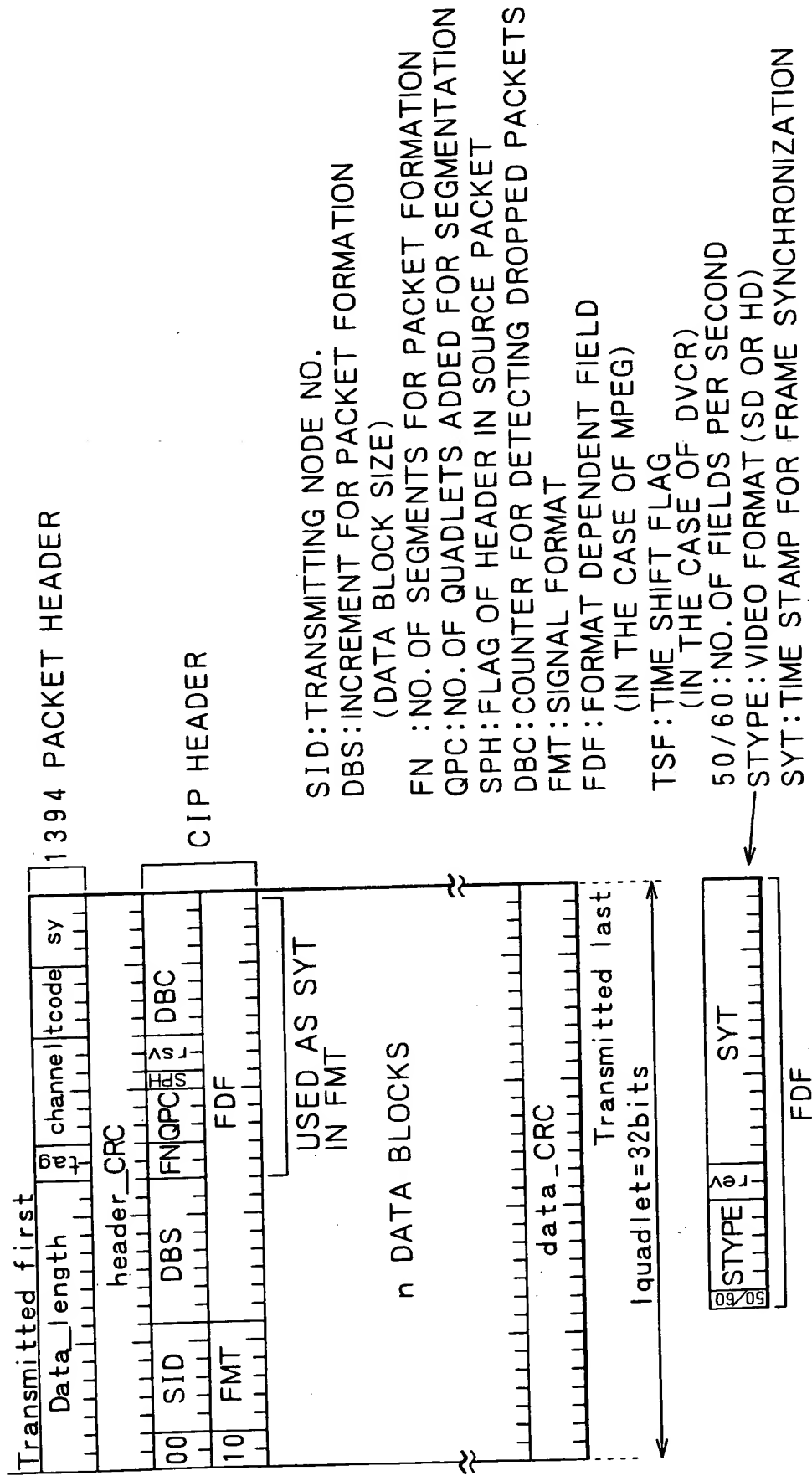
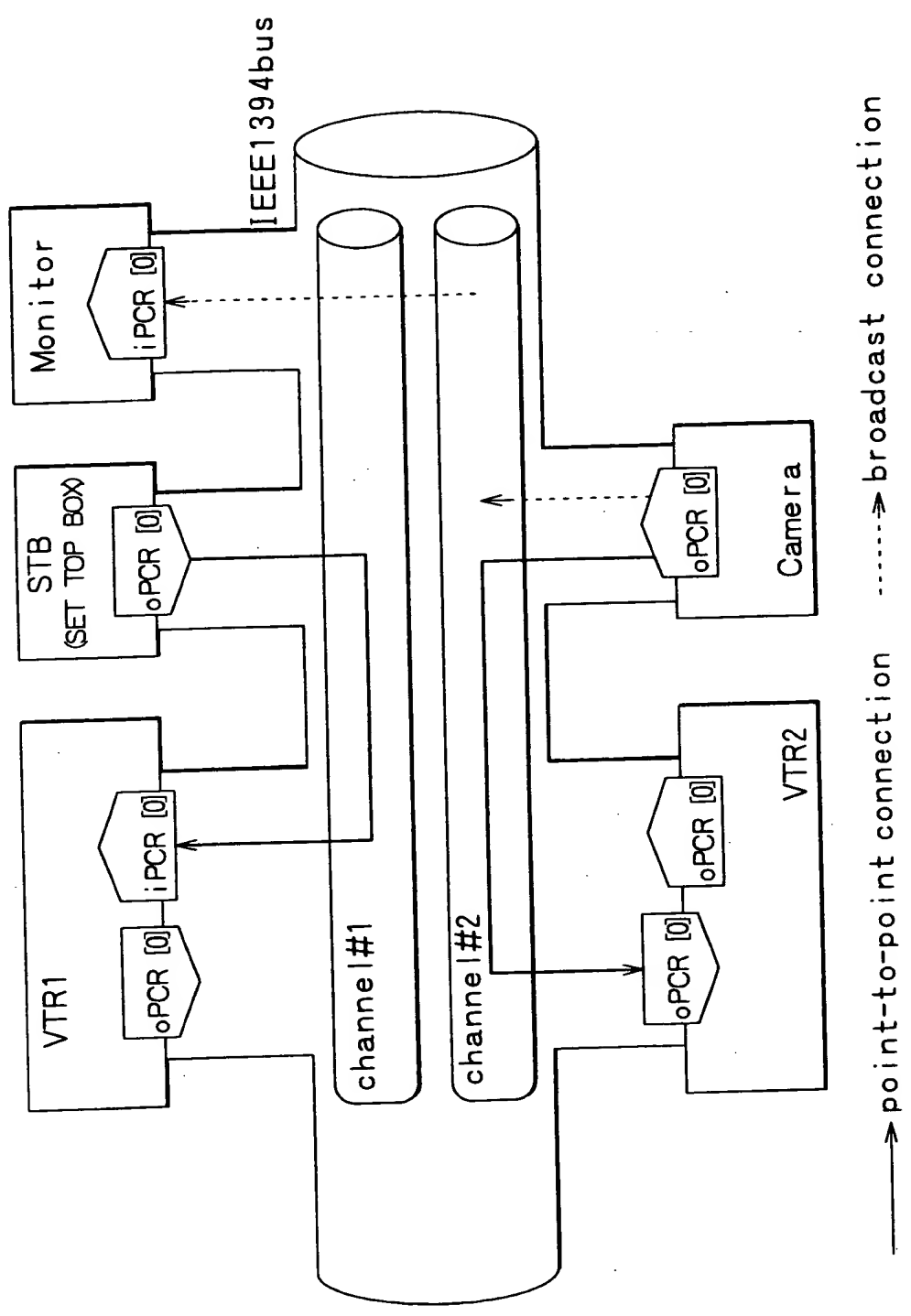


FIG. 14



1. 1. The first part of the report  
 2. 2. The second part of the report  
 3. 3. The third part of the report  
 4. 4. The fourth part of the report  
 5. 5. The fifth part of the report  
 6. 6. The sixth part of the report  
 7. 7. The seventh part of the report  
 8. 8. The eighth part of the report  
 9. 9. The ninth part of the report  
 10. 10. The tenth part of the report  
 11. 11. The eleventh part of the report  
 12. 12. The twelfth part of the report  
 13. 13. The thirteenth part of the report  
 14. 14. The fourteenth part of the report  
 15. 15. The fifteenth part of the report  
 16. 16. The sixteenth part of the report  
 17. 17. The seventeenth part of the report  
 18. 18. The eighteenth part of the report  
 19. 19. The nineteenth part of the report  
 20. 20. The twentieth part of the report  
 21. 21. The twenty-first part of the report  
 22. 22. The twenty-second part of the report  
 23. 23. The twenty-third part of the report  
 24. 24. The twenty-fourth part of the report  
 25. 25. The twenty-fifth part of the report  
 26. 26. The twenty-sixth part of the report  
 27. 27. The twenty-seventh part of the report  
 28. 28. The twenty-eighth part of the report  
 29. 29. The twenty-ninth part of the report  
 30. 30. The thirtieth part of the report  
 31. 31. The thirty-first part of the report  
 32. 32. The thirty-second part of the report  
 33. 33. The thirty-third part of the report  
 34. 34. The thirty-fourth part of the report  
 35. 35. The thirty-fifth part of the report  
 36. 36. The thirty-sixth part of the report  
 37. 37. The thirty-seventh part of the report  
 38. 38. The thirty-eighth part of the report  
 39. 39. The thirty-ninth part of the report  
 40. 40. The fortieth part of the report  
 41. 41. The forty-first part of the report  
 42. 42. The forty-second part of the report  
 43. 43. The forty-third part of the report  
 44. 44. The forty-fourth part of the report  
 45. 45. The forty-fifth part of the report  
 46. 46. The forty-sixth part of the report  
 47. 47. The forty-seventh part of the report  
 48. 48. The forty-eighth part of the report  
 49. 49. The forty-ninth part of the report  
 50. 50. The fiftieth part of the report  
 51. 51. The fifty-first part of the report  
 52. 52. The fifty-second part of the report  
 53. 53. The fifty-third part of the report  
 54. 54. The fifty-fourth part of the report  
 55. 55. The fifty-fifth part of the report  
 56. 56. The fifty-sixth part of the report  
 57. 57. The fifty-seventh part of the report  
 58. 58. The fifty-eighth part of the report  
 59. 59. The fifty-ninth part of the report  
 60. 60. The sixtieth part of the report  
 61. 61. The sixty-first part of the report  
 62. 62. The sixty-second part of the report  
 63. 63. The sixty-third part of the report  
 64. 64. The sixty-fourth part of the report  
 65. 65. The sixty-fifth part of the report  
 66. 66. The sixty-sixth part of the report  
 67. 67. The sixty-seventh part of the report  
 68. 68. The sixty-eighth part of the report  
 69. 69. The sixty-ninth part of the report  
 70. 70. The seventieth part of the report  
 71. 71. The seventy-first part of the report  
 72. 72. The seventy-second part of the report  
 73. 73. The seventy-third part of the report  
 74. 74. The seventy-fourth part of the report  
 75. 75. The seventy-fifth part of the report  
 76. 76. The seventy-sixth part of the report  
 77. 77. The seventy-seventh part of the report  
 78. 78. The seventy-eighth part of the report  
 79. 79. The seventy-ninth part of the report  
 80. 80. The eightieth part of the report  
 81. 81. The eighty-first part of the report  
 82. 82. The eighty-second part of the report  
 83. 83. The eighty-third part of the report  
 84. 84. The eighty-fourth part of the report  
 85. 85. The eighty-fifth part of the report  
 86. 86. The eighty-sixth part of the report  
 87. 87. The eighty-seventh part of the report  
 88. 88. The eighty-eighth part of the report  
 89. 89. The eighty-ninth part of the report  
 90. 90. The ninetieth part of the report  
 91. 91. The ninety-first part of the report  
 92. 92. The ninety-second part of the report  
 93. 93. The ninety-third part of the report  
 94. 94. The ninety-fourth part of the report  
 95. 95. The ninety-fifth part of the report  
 96. 96. The ninety-sixth part of the report  
 97. 97. The ninety-seventh part of the report  
 98. 98. The ninety-eighth part of the report  
 99. 99. The ninety-ninth part of the report  
 100. 100. The hundredth part of the report

o.PCR [n]



## iPCR [n]

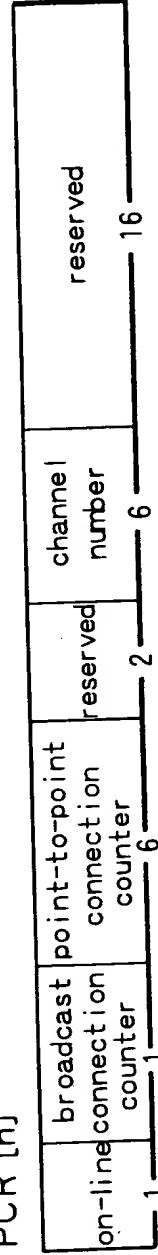
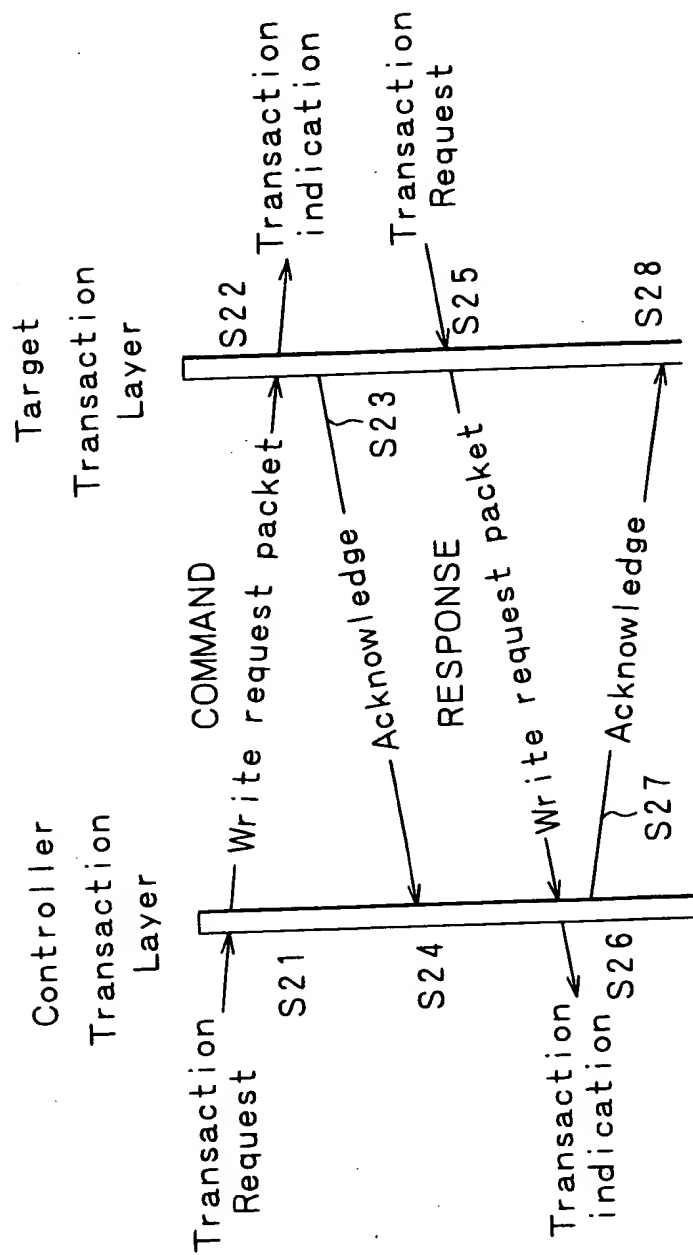
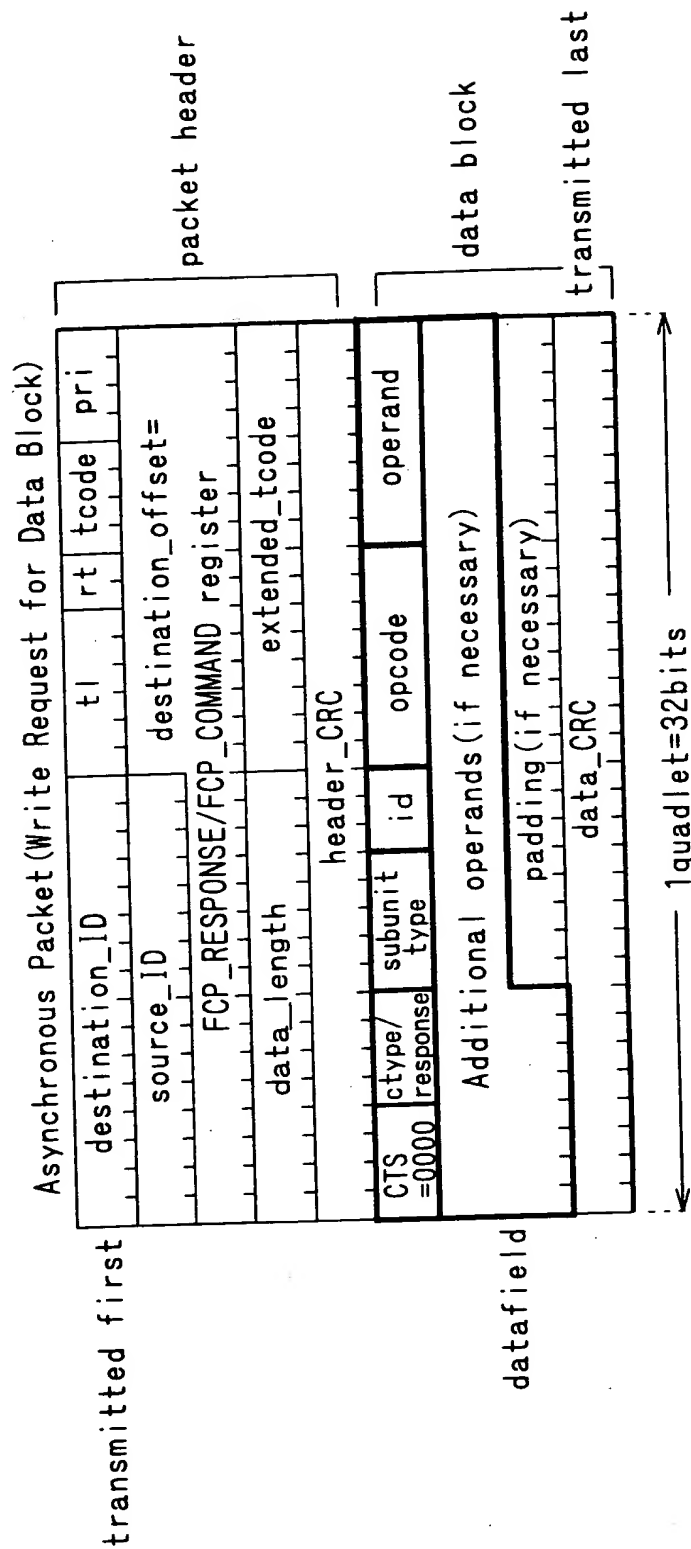


FIG.16





# FIG.17



CTS:COMMAND SET ID  
 ctype:COMMAND FUNCTION CLASSIFICATION  
 response:RESULT OF COMMAND PROCESSING  
 subunit type:ADDRESS FOR SPECIFYING INTRA-DEVICE FUNCTION  
 id:ADDRESS FOR IDENTIFYING THE SAME SUBUNIT TYPE  
 opcode:COMMAND  
 operand:COMMAND PARAMETER

# FIG.18

ctype/response

Command	0000	CONTROL
	0001	STATUS
	0010	INQUIRY
	0011	NOTIFY
	0100	
	}	(reserved)
Response	0111	
	1000	NOT IMPLEMENTED
	1001	ACCEPTED
	1010	REJECTED
	1011	IN TRANSITION
	1100	IMPLEMENTED/STABLE
	1101	CHANGED
	1110	(reserved)
	1111	INTERIM

# FIG.19A

subunit\_type

00000	Monitor
}	(reserved)
00011	Disc recorder/player
00100	VCR
00101	Tuner
00111	Camera
}	(reserved)
11111	Unit*

# FIG.19B

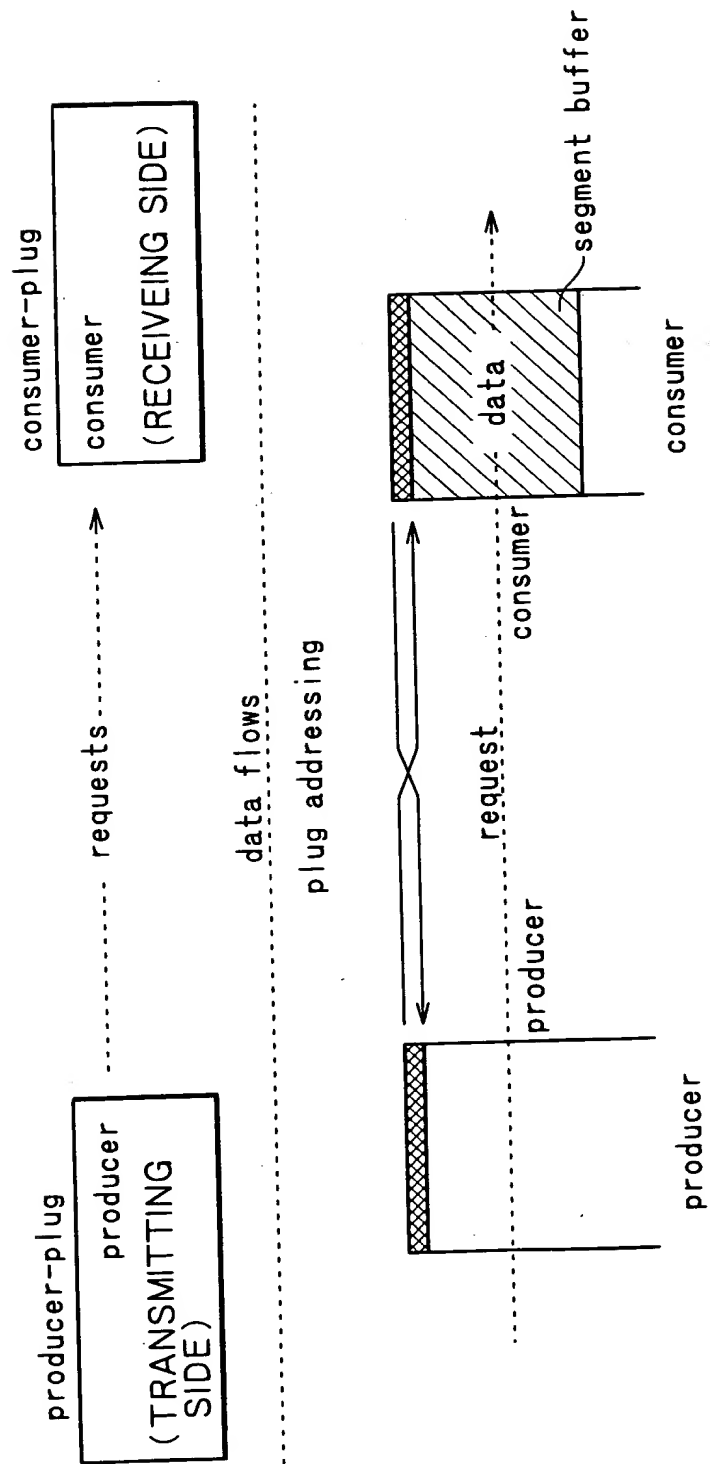
opcode:Operation Code

00h	VENDOR-DEPENDENT
50h	SEACH MODE
52h	ATN
60h	OPEN MIC
61h	READ MIC
62h	WRITE MIC
C1h	LOAD MEDIUM
C2h	RECORD
C3h	PLAY
C4h	WIND
}	}

\*AN OPCODE TABLE IS PROVIDED FOR EACH SUBUNIT

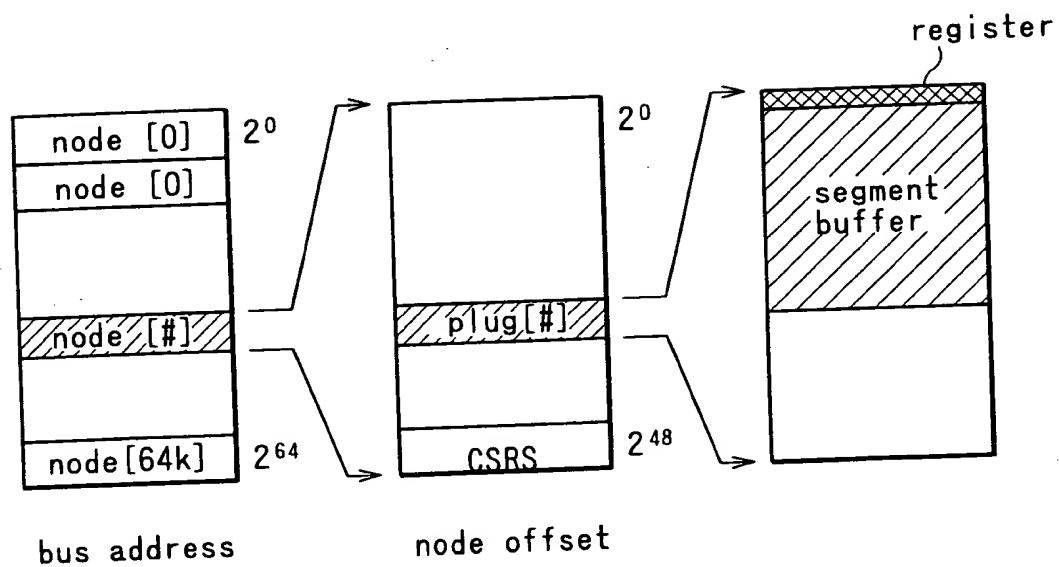
\*AN OPERAND IS DEFINED FOR EACH OPCODE

FIG. 20



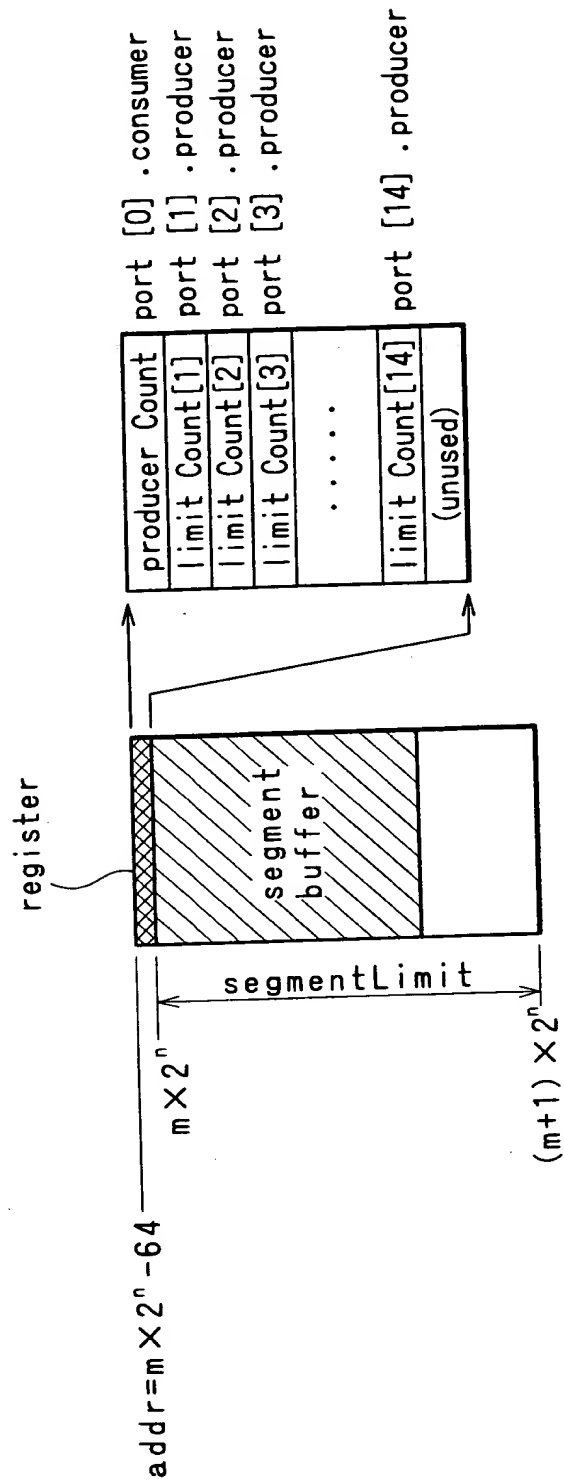
Asynchronous plug structure

FIG.21A FIG.21B FIG.21C



Location of plug address spaces

# FIG.22A FIG.22B



# FIG.22C

Address offset	Description
0	consumer port
4	producer port [1]
8.12....52	producer port [2]-to-port [3]
56	port [14]
60	reserved
64	Segment buffer

plug address space Components

FIG. 23B

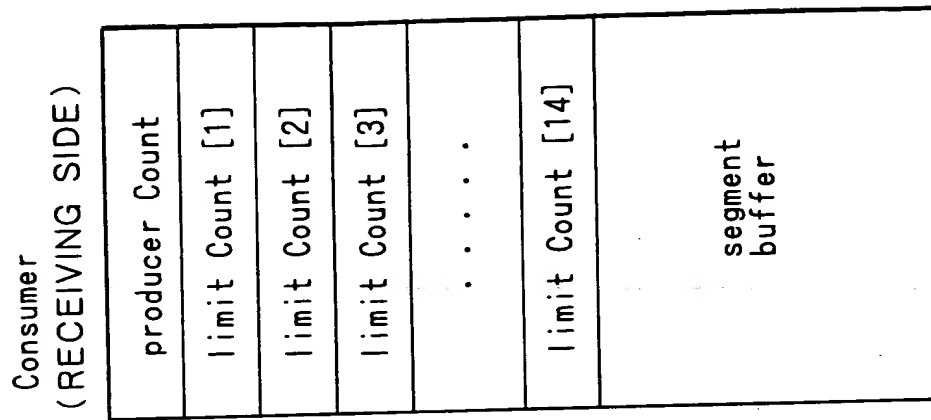
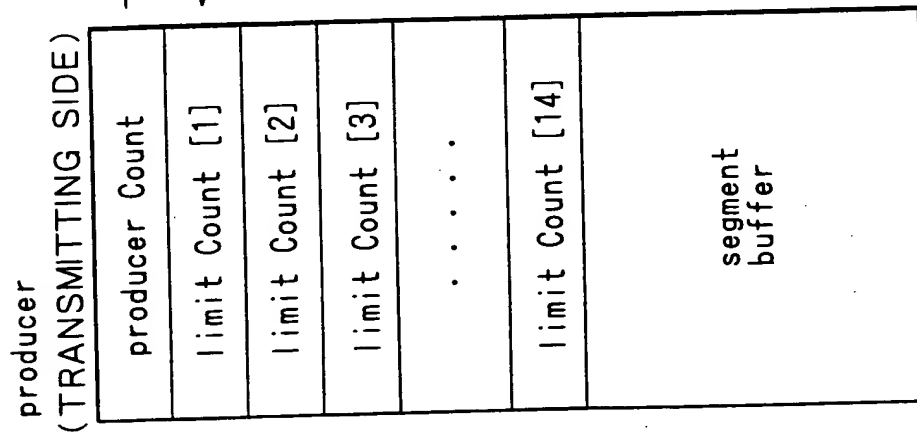


FIG. 23A

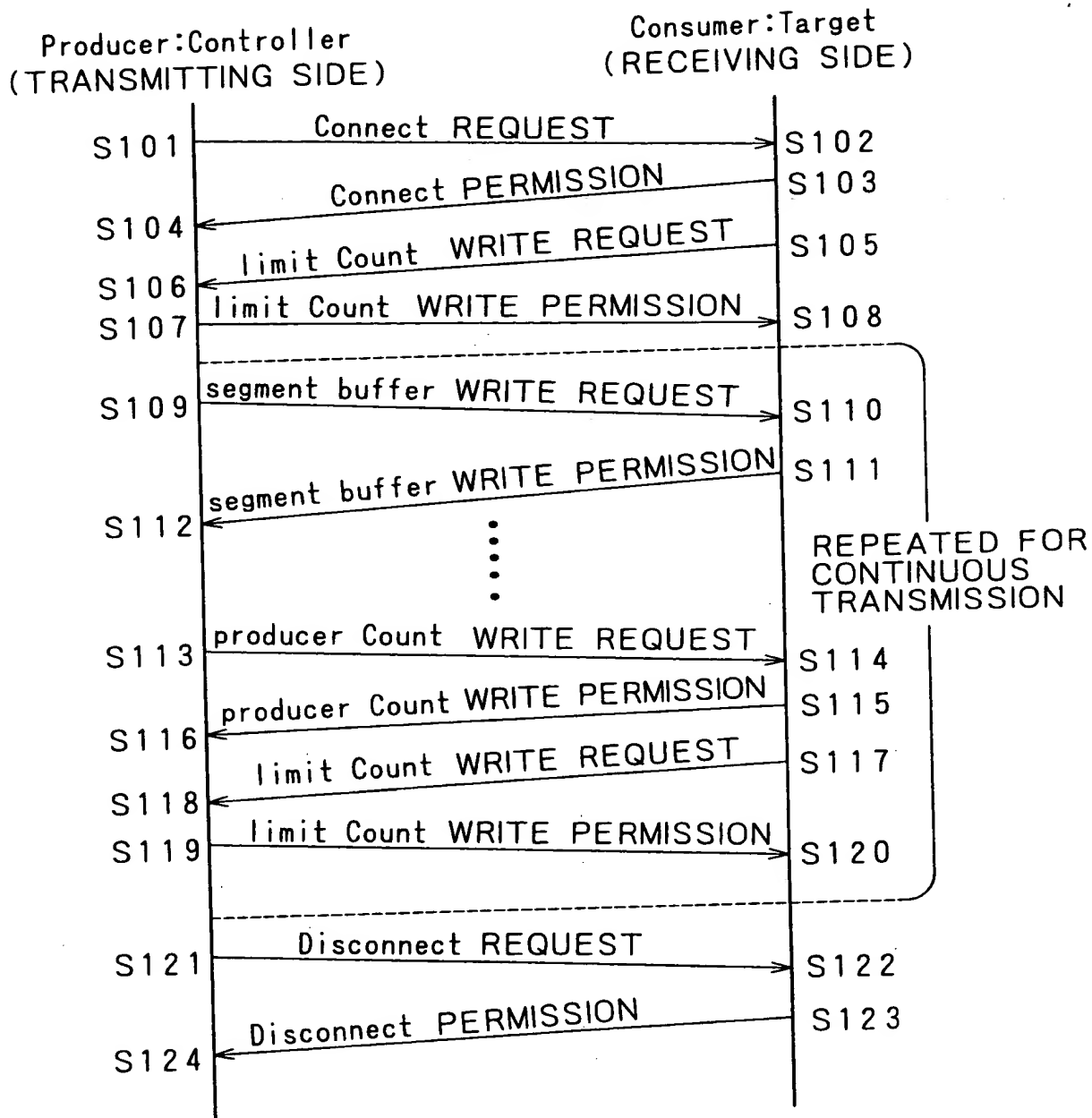


producer Count  
WRITTEN

limit Count  
WRITTEN

segment buffer  
WRITTEN

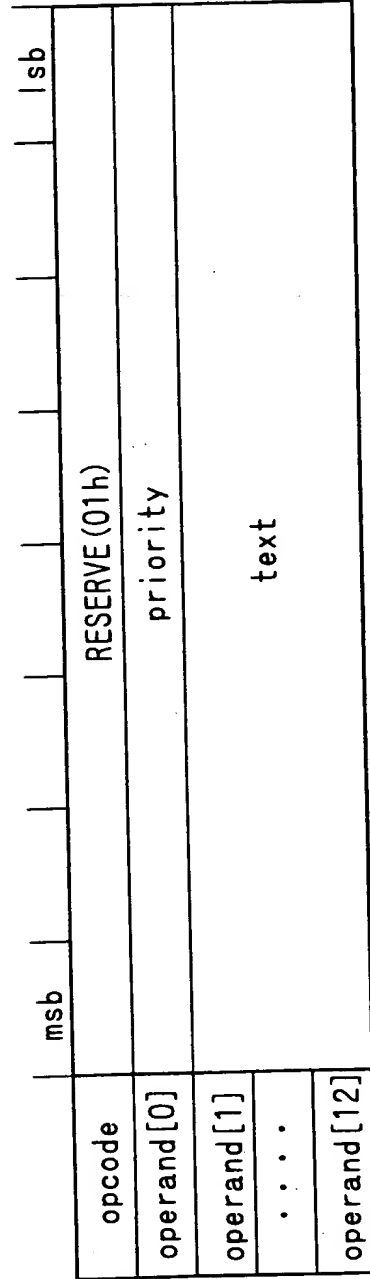
# FIG.24



PROCEDURES FOR Asynchronous Connection  
TRANSMISSION AND RECEPTION

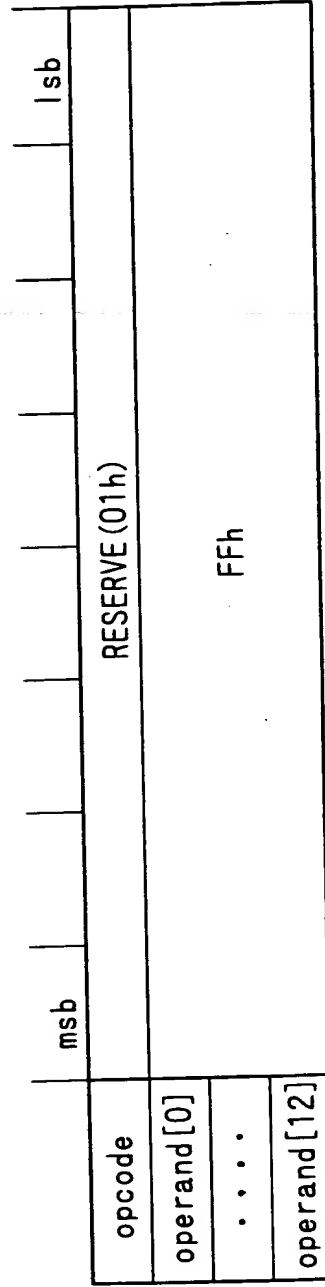


# FIG. 25



RESERVE control command

# FIG. 26



RESERVE status command

FIG. 27

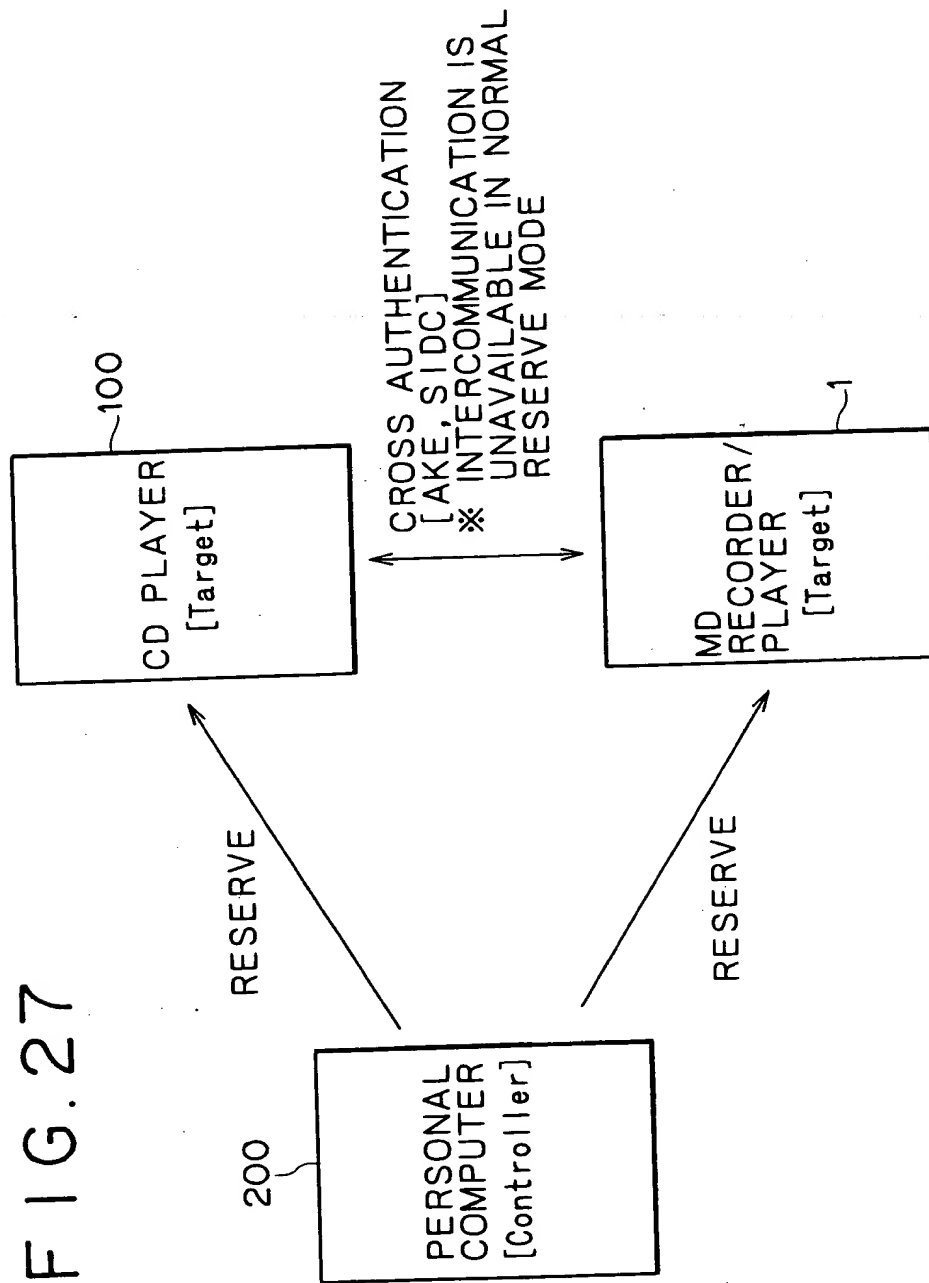
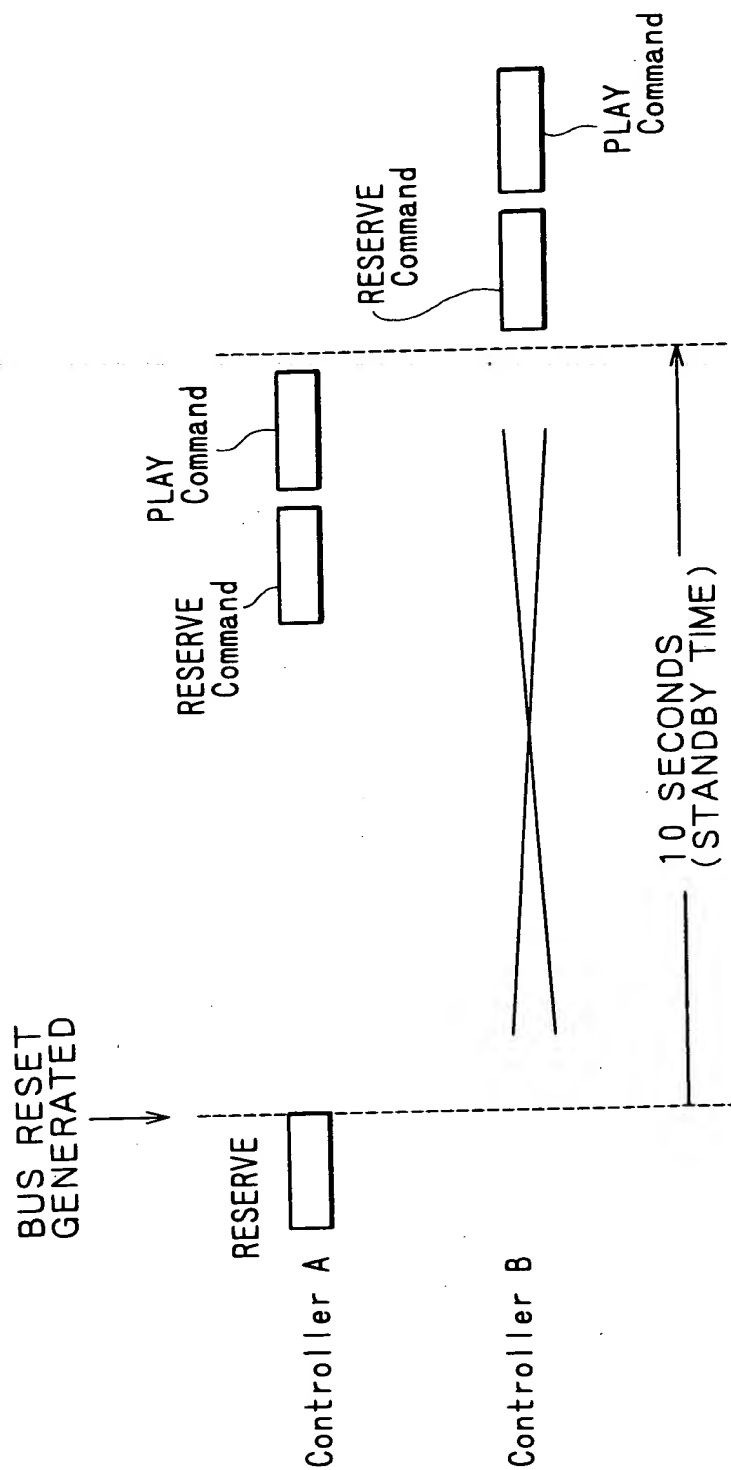
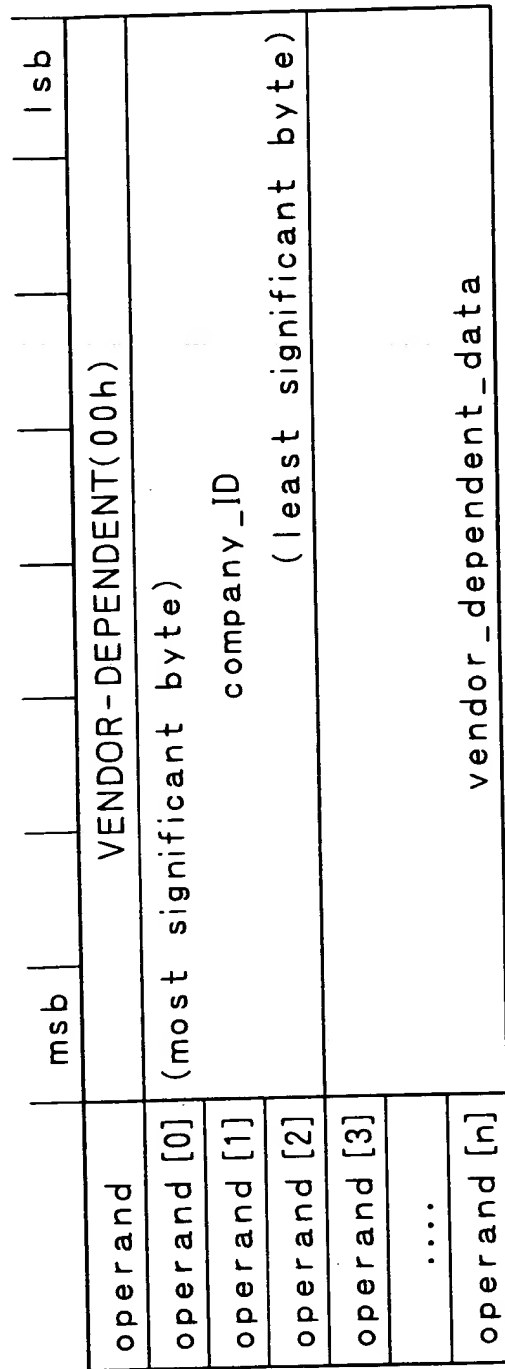


FIG. 28



# FIG.29



VENDOR-DEPENDENT command

# FIG. 30

	msb									lsb
operand	VENDOR-DEPENDENT(00h)									
operand [0]	company_ID(08h)									
operand [1]	(00h)									
operand [2]	(46h)									
operand [3]	(F0h)									
operand [4]	(03h)									
operand [5]	(01h)									
operand [6]	(02h)									
operand [7]	MD-RESERVE(01h)									
operand [8]	priority									
operand [9]	text									
....										
operand [20]										

MD-RESERVE control/status command

FIG. 31

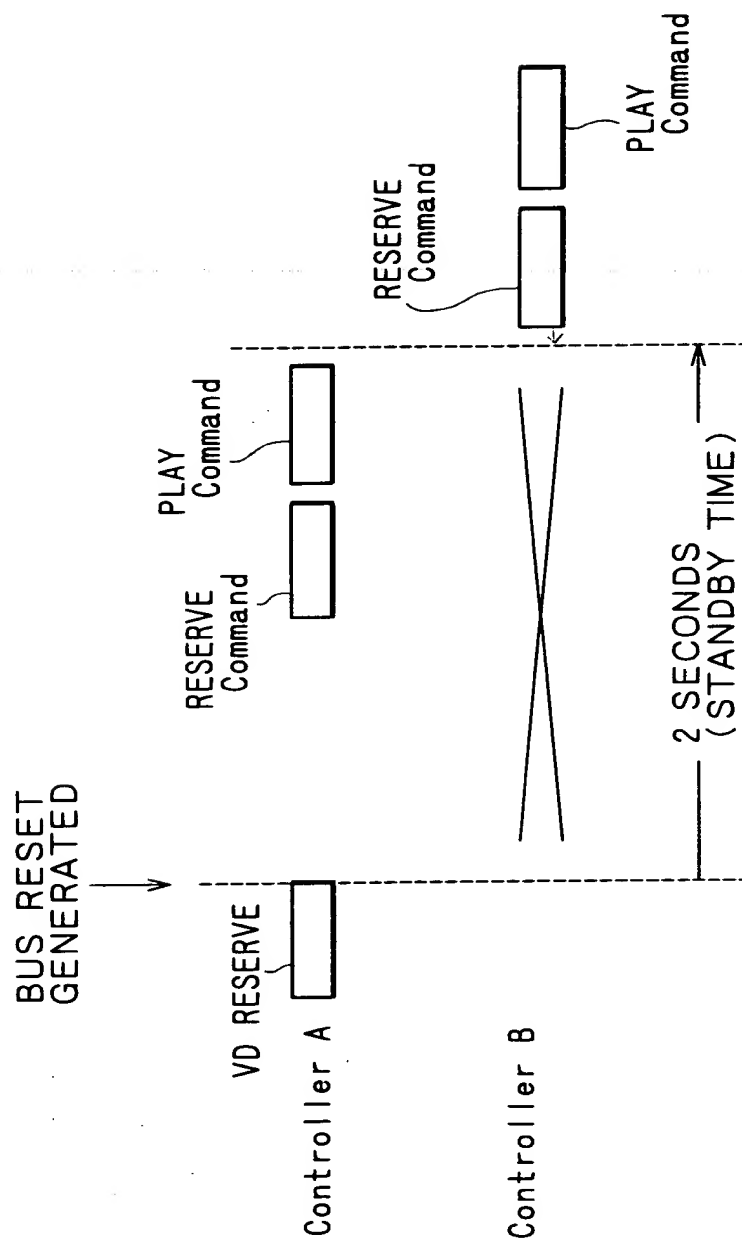


FIG. 32

